

ABSTRACT

In a process for producing 1,1,1,3,3-pentafluoropropane which has a liquid-phase reaction step for fluorination of 1,1,1,3,3-pentahalopropane (wherein at least one of halogen atoms is not fluorine) with HF in the presence of antimony pentahalide catalyst in a reactor to obtain a reaction mixture comprising 1,1,1,3,3-pentafluoropropane and the antimony pentahalide catalyst, the fluorination is conducted at a reaction temperature less than 50 °C.